

23

body having the shape of the silicone prosthesis in a vessel filled with a sufficient amount of the silicone solution or spraying the silicone solution onto the mold body;

wherein the mold separation step to separate the silicone shell from the mold body is performed through a perforated lower surface portion of the silicone shell.

4. The method according to claim 1, wherein the drying device is configured such that dry air is uniformly blown from all directions including up, down, left and right directions through an air blower, the method further comprising setting a temperature difference between upper and lower spaces of the drying device such that temperatures in the upper and lower spaces are differently adjusted.

5. The method according to claim 1, wherein drying device controls a drying rate of the silicone shell by adjusting an amount and velocity of air from the air blower and thus the thickness of the silicone shell may be entirely adjusted.

6. The method according to claim 1, wherein organic chemical solution used in the silicone etching step comprises at least one of xylene, toluene, benzene, and a cyclic aromatic compound.

7. The method according to claim 1, wherein the microsprayer used in the silicone etching step comprises at least one microsprayer disposed in the lower space of the

24

drying device at a position in which the organic chemical solution is uniformly sprayed onto the silicone shell so that thickening of the silicone shell from a lower surface thereof is prevented during drying.

8. The method according to claim 1, wherein the drying device adjusts a concentration of the organic chemical solution sprayed from the microsprayer as needed.

9. The method according to claim 1, wherein drying device is configured such that a volatilization direction of the organic chemical solution sprayed from the microsprayer is changed and adjusted by adjusting a direction of dry air from an air blower.

10. The method according to claim 1, further comprising an air spray step between the silicone solution coating step and the silicone hardening step, to completely attach the silicone solution coated on the mold body to the mold body in accordance with the shape thereof through a high pressure air nozzle.

11. The method according to claim 1, further comprising a prosthesis formation step to attach a patch part to the perforated lower surface portion so as to close an inner space of the silicone shell from the outside and to inject a filling material into the inner space of the silicone shell.

* * * * *